EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	peak near2 jong-sung.in.	US-PGPUB; USPAT	OR	OFF	2006/12/14 12:48
S2	9846	amd.asn. applied.asn. kla.asn. orbotech.asn.	US-PGPUB; USPAT	OR	ON	2006/12/14 12:52
S3	87	alignment near2 mark and S2	US-PGPUB; USPAT	OR	ON	2006/12/14 12:52
S4	2	alignment near2 mark with (expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) and S2	US-PGPUB; USPAT	OR	ON	2007/05/17 17:45
S5	575	382/151.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/18 12:41
S6	16	alignment near2 mark with (expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) and S5	US-PGPUB; USPAT	OR	ON	2007/05/16 09:47
S7	1388	alignment near2 mark with (expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5)	US-PGPUB; USPAT	OR	ON	2006/12/14 13:12
S8	1226	alignment near2 mark with (expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) and (semiconductor wafer PCB circuit adj board)	US-PGPUB; USPAT	OR	ON	2006/12/14 13:13
S9	14	alignment near2 mark with (expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) same (aligment mark) with (identif$6 recogn$7 match$3 verif$8) near3 (pattern) and (semiconductor wafer PCB circuit adj board)	US-PGPUB; USPAT	OR	ON	2006/12/14 13:15
S10	24	("3821545" | "3861798" | "3928094" | "4815854" | "4838693").PN. OR ("5172190").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 13:18
S11	343	382/151.ccls. and (recogn$6 identif$7 match$3) with (pattern mark align$4)	US-PGPUB; USPAT	OR	ON	2006/12/14 16:13
S12	223	pattern near3 (recogni$4 identif$6 match$3) with align$4 near2 (mark symbol seal)	US-PGPUB; USPAT	OR	ON	2006/12/18 12:42
S13	575	382/151.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/18 12:42
S14	17	S13 and S12	US-PGPUB; USPAT	OR	ON	2006/12/18 12:42

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S15	.	9	("3898617" | "4115762" | "4566125" | "4688088" | "4794646" | "4794648" | "4878114" | "5543921" | "5627912").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/18 13:09
S16		607	382/151.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/16 09:49
S17		2	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) with (crop$4 delet$3) and S16	US-PGPUB; USPAT	OR	ON	2007/05/16 09:58
S18		4	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) with (crop$4 delet$3) same align$4 and "382".clas.	US-PGPUB; USPAT	OR	ON	2007/05/16 09:53
S19		94	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) with (crop$4 delet$3) same (recogni$5 identif$7 match$3) and "382".clas.	US-PGPUB; USPAT	OR	ON	2007/05/16 09:54
S20		28	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) with (crop$4 delet$3) same (recogni$5 identif$7 match$3) and "382".clas. and align$4	US-PGPUB; USPAT	OR	ON	2007/05/16 09:58
S21		25	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) and (crop$4 delet$3) and S16	US-PGPUB; USPAT	OR	ON	2007/05/16 10:07
S22		16	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) same (crop$4 delet$3) same (align$4 mark match identif$7 recogn$5) and 382/135-154,184,190,199,287.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/16 10:16
S23		30	(expand$3 magnif$7 expansion zoom$3 focus$3 enlarg$5) same (crop$4) and 382/135-154,184,190, 199,287.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/16 16:57
S24		23	S23 not S22	US-PGPUB; USPAT	OR	ON	2007/05/16 10:27
S25		0	search near3 area with zoom$3 with crop$4	US-PGPUB; USPAT	OR	ON	2007/05/16 10:28
S27		0	wafer same alignment near2 mark with zoom$3	US-PGPUB; USPAT	OR	ON	2007/05/16 17:08
S28		6	alignment near2 mark with zoom$3	US-PGPUB; USPAT	OR	ON	2007/05/16 17:22
S29		386	alignment near2 mark with enlarg$6	US-PGPUB; USPAT	OR	ON	2007/05/16 17:10
S30		168	alignment near2 mark with enlarg$6 same (wafer semiconductor circuit pcb)	US-PGPUB; USPAT	OR	ON	2007/09/12 15:44

S31	46	alignment near2 mark with enlarg$6 same (wafer semiconductor circuit pcb) and alignment near2 mark with (identif$7 recogni$6 distinguish$3 match$3)	US-PGPUB; USPAT	OR	ON	2007/05/16 17:14
S32	19	("20010046315" | "20020175300" | "20020176096" | "20040114143" | "20040129900" | "4669883" | "4777641" | "4883359" | "4971444" | "5133603" | "5659384" | "5680200" | "5760411" | "6151120" | "6285033" | "6493065" | "6529625" | "6563573" | "6844918").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 17:19
S33	12	(enlarg$4 magnif$5) and S32	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 17:20
S34	12	(enlarg$4 magnif$5 zoom$3) and S32	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 17:20
S35	113	reference near2 mark with (zoom$3 enlarg$3 magnif$7) same align$4	US-PGPUB; USPAT	OR	ON	2007/05/16 17:28
S36	51	reference near2 mark with (zoom$3 enlarg$3 magnif$7) and mark with (identif$7 recogni$6 distinguish$3 match$3) and (wafer semiconductor circuit pcb) with align$4	US-PGPUB; USPAT	OR	ON	2007/05/16 17:29
S37	48	reference near2 mark with (zoom$3 enlarg$3 magnif$7) and mark with (identif$7 recogni$6 distinguish$3 match$3) and (wafer semiconductor circuit pcb) with align$4 not S31	US-PGPUB; USPAT	OR	ON	2007/05/17 10:50
S38	21	(reference wafer alignment) near2 mark near7 (zoom$3)	US-PGPUB; USPAT	OR	ON	2007/05/17 17:46
S39	1	"20040037458"	US-PGPUB; USPAT	OR	ON	2007/05/17 17:35
S40	6	(reference wafer alignment) near2 mark near7 (window adj frame)	US-PGPUB; USPAT	OR	ON	2007/05/17 10:52
S41	1089	coarse same fine same (alignment reference wafer key) near2 mark	US-PGPUB; USPAT	OR	ON	2007/05/17 11:06
S42	1	coarse near3 search same fine same (alignment reference wafer key) near2 mark	US-PGPUB; USPAT	OR	ON	2007/05/17 11:05
S43	0	("2005/0156334").URPN.	USPAT	OR	OFF	2007/05/17 11:06
S45	6	coarse same fine same (alignment reference wafer key) near2 mark and 382/145-151.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/17 11:10

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S46	0	bishop.in. and 382/151.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/17 11:07
S47	4	bishop.in. and 382/145-152.ccls.	US-PGPUB; USPAT	OR	ON	2007/09/18 21:22
S48	1069	coarse same fine same (alignment reference wafer key) near2 mark and (wafer semiconductor circuit pcb) and align$4	US-PGPUB; USPAT	OR	ON	2007/05/17 11:11
S49	24	coarse same fine same (alignment reference wafer key) near2 mark same (zoom$3 enlarg$4 magnif$7) and (wafer semiconductor circuit pcb) and align$4	US-PGPUB; USPAT	OR	ON	2007/05/17 11:16
S50	103	382/151.ccls. and alignment near2 mark	US-PGPUB; USPAT	OR	ON	2007/05/17 11:17
S51	0	382/151.ccls. and alignment near2 mark with "fig."	US-PGPUB; USPAT	OR	ON	2007/05/17 11:16
S52	0	382/151.ccls. and alignment near2 mark with fig	US-PGPUB; USPAT	OR	ON	2007/05/17 11:17
S53	5	CCD with grey and 382/145-151. ccls.	US-PGPUB; USPAT	OR	ON	2007/05/17 17:35
S54	10455	(reference wafer alignment) near2 mark same (semiconductor wafer pcb board circuit)	US-PGPUB; USPAT	OR	ON	2007/05/17 17:48
S55	264	(reference wafer alignment) near2 mark with figure same (semiconductor wafer pcb board circuit)	US-PGPUB; USPAT	OR	ON	2007/05/17 17:49
S56	178	(reference wafer alignment) near2 mark with figure same (semiconductor wafer)	US-PGPUB; USPAT	OR	ON	2007/05/17 18:13
S57	1	"5151750".pn.	US-PGPUB; USPAT	OR	ON	2007/05/17 18:13
S58	1	"20040037458"	US-PGPUB	OR	ON	2007/09/12 16:10
S59	17	(key primary main) adj align$4 adj mark	US-PGPUB	OR	ON	2007/09/12 16:12
S60	19	(key primary main) adj (align$4 reference) adj mark	US-PGPUB	OR	ON	2007/09/12 16:15
S61	27	(key primary main) adj (align$4 reference) adj mark	USPAT	OR	ON	2007/09/12 16:26
S63	79548	(detect$3 find$3 recogni$7 identif$7 search$3) near3 (key (reference wafer alignment) near2 mark)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:40
S64	106	coarse same fine same S63	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:24

S65	13482	(delet$3 filter$3) near7 (key (reference wafer alignment) near2 mark)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:25
S66	3	S64 and S65	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:25
S67	20208	382/145-152.ccls. 257/797.ccls. 438/14,15.ccls. 356/399-401.ccls. 355/53,55.ccls. 430/22,30.ccls. 250/548.ccls. 349/158,110,129.ccls. 437/5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:30
S68	30	S64 and S67	US-PGPUB; USPAT	OR	ON	2007/09/12 16:39
S69	3859	(detect$3 find$3 recogni$7 identif$7 search$3 match$3) near3 (shape type) near3 (mark key)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/19 11:42
S72	858	amd.asn. applied near2 m.asn. kla. asn. orbotech.asn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:42
S73	20906	S67 S72	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:42
S74	17	S73 and S69 and S65	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 16:43
S75	25	(US-20020191860-$ or US-20030199131-$ or US-20020006561-$).did. or (US-5172190-$ or US-6925203-$ or US-4213117-$ or US-4880309-$ or US-4115762-$ or US-5815594-$ or US-4566125-$ or US-4794648-$ or US-4667109-$ or US-5680200-$ or US-6072915-$ or US-6668075-$ or US-4699515-$ or US-5272763-$ or US-6424052-$ or US-6278957-$ or US-6295120-$ or US-6856931-$ or US-3796497-$ or US-4798470-$ or US-6373548-$ or US-5771085-$). did.	US-PGPUB; USPAT	OR	OFF	2007/09/12 17:11
S76	1	crop$4 and S75	US-PGPUB; USPAT	OR	OFF	2007/09/12 17:11
S79	191	crop$3 near7 (key (reference wafer alignment) near2 mark)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 17:15
S80	1	S73 and S79	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 17:16

S81	494	(trim$4 clip$4 cut$4 delet$4 reduc$3) near5 (key (reference wafer alignment) near2 mark) and S73	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 21:24
S82	130	(trim$4 clip$4 cut$4 delet$4 reduc$3) near5 (key (reference wafer alignment) near2 mark) same S63 and S73	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 17:17
S83	25	("3502993" | "3818445" | "3909594" | "3944977" | "4200861" | "4213117" | "4334241" | "4449240").PN. OR ("4566125"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/12 17:20
S84	166	382/287.ccls.	US-PGPUB; USPAT	OR	ON	2007/09/18 21:23
S85	40108	(trim$4 clip$4 cut$4 delet$4 reduc$3 mask$3) near5 (key (reference wafer alignment) near2 mark)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 21:26
S86	7	S85 and S84	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 21:26
S87	26	(US-20020006561-$ or US-20020191860-$ or US-20030199131-$).did. or (US-5815594-$ or US-4880309-$ or US-5172190-$ or US-6925203-$ or US-6856931-$ or US-6072915-$ or US-4566125-$ or US-4213117-$ or US-3796497-$ or US-6373548-$ or US-4115762-$ or US-4794648-$ or US-6333992-$ or US-4667109-$ or US-5680200-$ or US-4699515-$ or US-6668075-$ or US-6295120-$ or US-5272763-$ or US-6424052-$ or US-4798470-$ or US-6278957-$ or US-5771085-$).did.	US-PGPUB; USPAT	OR	OFF	2007/09/19 11:43
S88	3862	(detect$3 find$3 recogni$7 identif$7 search$3 match$3) near3 (shape type) near3 (mark key)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/19 11:43
S89	5	S88 and S87	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/19 11:43
S90	11	("3898617" | "4115762" | "4566125" | "4688088" | "4794646" | "4794648" | "4878114" | "5543921" | "5627912").PN. OR ("6072915"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 12:01

S91	8	align$5 and S90	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 12:02